

IN THE CLAIMS

CLAIMS

1.(original): Derivatives of 1,3-diones having general formula (I):



(I)

wherein: - A represents : an aryl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy optionally substituted with a group selected from C₁-C₄ alkoxy or C₁-C₄ haloalkoxy, C₂-C₆ alkylthioalkoxy, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxy, C₃-C₁₂ dialkoxyalkoxy, C₂-C₆ haloalkoxyhaloalkoxy, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxy, C₃-C₈ haloalkenyloxyalkoxy, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxy, C₃-C₈ haloalkynyloxyalkoxy, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl.

C_3 - C_8 alkynyloxyiminoalkyl, C_3 - C_8 haloalkynyloxyiminoalkyl, C_5 - C_{10} alkoxyalkynyloxy, C_6 - C_{12} cycloalkylideneiminoalkoxyalkyl, C_6 - C_{12} dialkylideneiminoalkoxyalkyl, -S(O)_mR₁, -OS(O)_nR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Q, -ZQ₁, -(CR₂₀R₂₁)_pQ₂, -Z(CR₂₂R₂₃)_pQ₃, -(CR₂₄R₂₅)_pZQ₄, -(CR₂₆R₂₇)_pZ(CR₂₈R₂₉)_qQ₅, -(CR₃₀R₃₁)_pZ(CR₃₂R₃₃)_qZ₁Q₆, -Z₂(CR₃₄R₃₅)_p(C=Y)T, -Z₃(CR₃₆R₃₇)_v(CR₃₈R₃₉=CR₄₀R₄₁)(C=Y)T; or it represents a heterocyclic group selected from pyridyl, pyrimidyl, quinolinyl, pyrazolyl, thiazolyl, oxazolyl, thienyl, furyl, benzothienyl, dihydrobenzothienyl, benzofuranyl, dihydrobenzofuranyl, benzoxazolyl, benzoxazolonyl, benzothiazolyl, benzothiazolonyl, benzoimidazolyl, benzoimidazolonyl, benzotriazolyl, chromanonyl, chromanyl, thiochromanonyl, thiochromanyl, 3a, 4-dihydro-3H-indeno [1, 2-c] isoxazolyl, 3a, 4-dihydro-3H-chromeno [4, 3-c] isoxazolyl, 5,5-dioxide-3a, 4-dihydro-3H-thiochromeno [4, 3-c] isoxazolyl, 2,3, 3a, 4-tetrahydrochromeno [4, 3-e] pyrazolyl, 6, 6-dioxide-2, 3-dihydro-5H-[1, 4] dithiino [2, 3-c] thiochromenyl, 5,5-dioxide-2, 3, 3a, 4-tetrahydrothiochromeno [4,3-c]pyrazolyl, 1',1'-dioxide-2',3'-dihydrospiro[1, 3-dioxolano-2, 4'-thiochromen]-yl, 1,1, 4,4-tetraoxide-2, 3-dihydro-1, 4-benzodithiin-6-yl, 4,4-dioxide-2, 3-dihydro-1, 4-benzoxathiin-7-yl, 1, 1-dioxide-3-oxo-2, 3-dihydro-1, 2-benzisothiazol-5-yl, 4-(alkoxyimino)-1, 1-dioxide-3, 4-dihydro-2H-thiochromen-6-yl, 1, 1-dioxide-4-oxo-3, 4-dihydro-2H-thiochromen-6-yl, 2,3-dihydro-1, 4-benzoxathiin-7-yl, with said groups optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy optionally substituted with a group selected from C₁-C₄ alkoxy or C₁-C₄ haloalkoxy, C₂-C₆ alkylthioalkoxy, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxy, C₃-C₁₂ dialkoxyalkoxy, C₂-C₆ haloalkoxyhaloalkoxy, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxy, C₃-C₈ haloalkenyloxyalkoxy, C₂-C₆ alkynyl.

C_2-C_6 haloalkynyl, C_2-C_6 alkynyloxy, C_2-C_6 haloalkynyloxy, C_3-C_8 alkynyloxyalkoxyl, C_3-C_8 haloalkynyloxyalkoxyl, C_3-C_{12} acylaminoalkoxy, C_2-C_8 alkoxyiminoalkyl, C_2-C_8 haloalkoxyiminoalkyl, C_3-C_8 alkenyloxyiminoalkyl, C_3-C_8 haloalkenyloxyiminoalkyl, C_3-C_8 alkynyloxyiminoalkyl, C_3-C_8 haloalkynyloxyiminoalkyl, C_5-C_{10} alkoxyalkynyloxy, C_6-C_{12} cycloalkylideneiminoalkoxy, C_6-C_{12} dialkylideneiminoalkoxy, $-S(0)_mR_1$, $-OS(0)_tR_1$, $-SO_2NR_2R_3$, $-CO_2R_4$, $-COR_5$, $-CONR_6R_7$, $-CSNR_8R_9$, $-NR_{10}R_{11}$, $-NR_{12}COR_{13}$, $-NR_{14}CO_2R_{15}$, $-NR_{16}CONR_{17}R_{18}$, $-PO(R_{19})_2$, $-Q$, $-ZQ_1$, $-(CR_{20}R_{21})_pQ_2$, $-Z(CR_{22}R_{23})_pQ_3$, $-(CR_{24}R_{25})_pZQ_4$, $-(CR_{26}R_{27})_pZ(CR_{28}R_{29})_qQ_5$, $-(CR_{30}R_{31})_pZ(CR_{32}R_{33})_qZ_1Q_6$, $-Z_2(CR_{34}R_{35})_p(C=Y)T$, $-Z_3(CR_{36}R_{37})_v(CR_{38}R_{39}=CR_{40}R_{41})(C=Y)T$; $-B$ represents a $D-(R_w)_n$ group; $-R$ represents a hydrogen atom, a linear or branched C_1-C_6 alkyl group, a linear or branched C_1-C_6 haloalkyl group, a C_3-C_6 cycloalkyl or C_4-C_{12} cycloalkylalkyl group optionally substituted with halogen atoms or C_1-C_6 alkyl or C_1-C_6 thioalkyl or C_1-C_6 alkoxy or C_2-C_6 alkoxy carbonyl groups, C_2-C_6 alkenyl groups, C_2-C_6 alkynyl groups, the latter two groups, in turn, optionally substituted with halogen atoms, a C_5-C_6 cycloalkenyl group optionally substituted with halogen atoms or C_1-C_6 alkyl groups, an aryl or arylalkyl group optionally substituted; $-R_1$ and R_{19} represent a C_1-C_6 alkyl group or a C_1-C_6 haloalkyl group, a C_3-C_6 cycloalkyl group, an aryl group optionally substituted by one or more substituents selected from halogen, NO_2 , CN , CHO , linear or branched C_1-C_6 alkyl, linear or branched C_1-C_6 haloalkyl, linear or branched C_1-C_6 alkoxy, linear or branched C_1-C_6 haloalkoxy, C_1-C_6 alkylsulfonyl, C_2-C_6 alkoxy carbonyl; $-m$ is equal to 0, 1 or 2; $-t$ is equal to 1 or 2; $-R_2$, R_3 , R_6 , R_7 , R_8 , R_9 , R_{10} , R_{11} , R_{17} and R_{18} , the same or different, represent a hydrogen atom, a linear or branched C_1-C_6 alkyl group in turn optionally substituted with halogen atoms, a C_1-C_6 alkoxy group, a C_3-C_6 cycloalkyl group, an arylalkyl group or an aryl group, said arylalkyl and aryl groups also optionally substituted by one or more substituents selected from halogen, NO_2 , CN , CHO , linear or branched C_1-C_6 alkyl, linear or branched C_1-C_6 haloalkyl, linear or branched C_1-C_6 alkoxy, linear or branched C_1-C_6 haloalkoxy, C_1-C_6 alkylsulfonyl, C_2-C_6 alkoxy carbonyl, or they jointly represent a C_2-C_5 alkylene group; $-R_4$, R_5 and R_{42} represent a hydrogen atom, a linear or branched C_1-C_6 alkyl group in turn optionally substituted with halogen atoms, a C_3-C_6 alkenyl group in turn optionally substituted with halogen atoms, a Q_7 group, an arylalkyl

group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxycarbonyl; - R₁₂, R₁₄ and R₁₆ represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ haloalkoxy group; - R₁₃ and R₁₅ represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₃-C₆ alkenyl group in turn optionally substituted with halogen atoms, a Q₇, NH₂, NHCN, NHNH₂, NHOH group, an arylalkyl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxycarbonyl; - R₂₀, R₂₁, R₂₂, R₂₃, R₂₄, R₂₅, R₂₆, R₂₇, R₂₈, R₂₉, R₃₀, R₃₁, R₃₂, R₃₃, R₃₄, R₃₅, R₃₆, R₃₇, R₃₈, R₃₉, R₄₀ and R₄₁, the same or different, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₁-C₆ alkoxy group, or the two groups attached to the same carbon atom can be joined to each other by C₂-C₅ alkylene groups, the alkylene groups can in turn be substituted with C₁-C₃ alkyl groups; - Q, Q₁, Q₂, Q₃, Q₄, Q₅, Q₆ and Q₇ represent an aryl group, a C₃-C₆ cycloalkyl group, a C₅-C₆ cycloalkenyl group, a heterocyclic group selected from triazolyl, triazolonyl, pyrazolyl, imidazolyl, imidazolidinonyl, tetrazolyl, tetrazolonyl, isoxazolyl, furyl, thienyl, pyrrolyl, pyrrolidinyl, pyrrolidinonyl, pyridyl, pyrimidinyl, pyrimidinonyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, oxadiazolyl, thiadiazolyl, isothiazolyl, benzoxazolyl, benzothiazolyl, isoxazolinyl, 1,3-dioxanyl, 1,4-dioxanyl, 1,3-dioxolanyl, tetrahydropyranyl, oxethanyl, oxyranyl, thiazolidinyl, oxazolidinyl, piperidinyl, piperidinonyl, piperazinyl, morpholinyl, thiazinyl, tetrahydrofuranyl, dioxazolyl, tetrahydrofuroisoxazolyl, 2-oxa-3-azabicyclo [3. 1. 0] hex-3-enyl, said groups optionally substituted by one or more substituents selected from halogen, NO₂, OH, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆

alkoxyalkoxyl or C₂-C₆ haloalkoxyalkoxyl optionally substituted with a group selected from C₁-C₄ alkoxy or C₁-C₄ haloalkoxy, C₂-C₆ alkylthioalkoxyl, C₂-C₆ haloalkylthioalkoxyl, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxyl, C₃-C₁₂ dialkoxyalkoxyl, C₂-C₆ haloalkoxyhaloalkoxyl, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxyl, C₃-C₈ haloalkenyloxyalkoxyl, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxyl, C₃-C₈ haloalkynyloxyalkoxyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₁₂ acylaminoalkoxy, C₃-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₅-C₁₀ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxyalkyl, C₆-C₁₂ dialkylideneiminoalkoxyalkyl, aryl optionally substituted, -S(O)_mR₁, -OS(O)_tR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Z₂(CR₃₄R₃₅)_p(C=Y)T, -Z₃(CR₃₆R₃₇)_v(CR₃₈R₃₉=CR₄₀R₄₁)(C=Y)T; -Z, Z₁, Z₂ = O, S(O)_r; -Y = O, S - r is equal to 0, 1 or 2; -p, q are equal to 1, 2, 3 or 4; -v is equal to 0 or 1; -Z₃ = 0, S or a direct bond; -T represents a hydrogen atom, a Z₄R₄₂ group, a -NR₄₃R₄₄ group, an aryl group or a heterocyclic group selected from triazolyl, triazolonyl, pyrazolyl, imidazolyl, imidazolidinonyl, tetrazolyl, tetrazolonyl, pyrrolyl, pyrrolidinyl, pyrrolidinonyl, pyridyl, pyrimidinyl, piperidinyl, piperidinonyl, piperazinyl, morpholinyl, said groups optionally substituted by one or more substituents selected from halogen, NO₂, OH, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, C₃-C₆ cycloalkyl, C₅-C₆ cycloalkenyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, -S(O)_mR₁; -Z₄ = 0, S or a direct bond; -R₄₃ and R₄₄, the same or different, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₃-C₆ alkenyl group in turn optionally substituted with halogen atoms, a Q₇ group, an arylalkyl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or

branched C₁-C₆ alkoxyl, linear or branched C₁-C₆ haloalkoxyl, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxycarbonyl, or they jointly represent a C₂-C₅ alkylene chain; - D represents: a heterocyclic group of the heteroaryl or heterocyclic type, in all the above cases the heterocycle can be mono or polycyclic and can be connected to the rest of the structure either through one of its carbon atoms or, when possible, through one of its nitrogen atoms; or it represents a mono or polycyclic aryl group, in this latter case, the group can also be partially saturated; - R_x represents a substituent selected from hydrogen, halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxyl, linear or branched C₁-C₆ haloalkoxyl, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy optionally substituted with a group selected from C₁-C₄ alkoxyl or C₁-C₄ haloalkoxyl, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxy, C₃-C₁₂ dialkoxyalkoxy, C₂-C₆ haloalkoxyhaloalkoxy, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxy, C₃-C₈ haloalkenyloxyalkoxy, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxy, C₃-C₈ haloalkynyloxyalkoxy, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₅-C₁₀ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxy, C₆-C₁₂ dialkylideneiminoalkoxy, -S(O)_mR₁, -OS(O)_tR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₅R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Q, -ZQ₁, -(CR₂₀R₂₁)_pQ₂, -Z(CR₂₂R₂₃)_pQ₃, -(CR₂₄R₂₅)_pZQ₄, -(CR₂₆R₂₇)_pZ(CR₂₈R₂₉)_qQ₅, -(CR₃₀R₃₁)_pZ(CR₃₂R₃₃)_qZ₁Q₆, -Z₂(CR₃₄R₃₅)_p(C=Y)T, -Z₃(CR₃₆R₃₇)_v(CR₃₈R₃₉=CR₄₀R₄₁)(C=Y)T; if several R_x groups are present, these can be the same or different; - n = 1-9; excluding the following compounds having general formula (I) wherein A, B and R have the following meanings: A=4-chlorophenyl, B=1-methylimidazol-2-yl, R=H; A=4-nitrophenyl, B=1-(2-hydroxyethyl)-5-nitroimidazol-2-yl, R=H; A=phenyl, B=1H-benzimidazol-2-yl, R=C₂H₅; A=phenyl,

B=4H-1-benzopyran-4-yl, R=CH₃; A=4-nitrophenyl, B=3- (4-methylphenyl)-1, 2, 4-oxadiazol-5-yl, R=CH₃; A=phenyl, B=4-chloro-2, 5-dioxo-2, 5-dihydro-1H-pyrrol-3-yl, R=CH₃; A=phenyl, B=2-acetyl-1, 2,3, 4-tetrahydroisoquinolin-1-yl, R=C₂H₅; A=2-hydroxy-4-methoxyphenyl, B=thiazol-4-yl, R=CH₃; A=phenyl, B=2, 5-diphenyl-1, 3-oxathiol-2-yl, R=CH₃; A=4-nitrophenyl, B=4, 6-bis (dimethylamino) -1, 3,5- triazin-2-yl, R=CH₃; A=phenyl, B=furan-2-yl, R=CH₃; A=phenyl, B=1, 3-dithian-2-yl, R=CH₃; A=phenyl, B=4-chlorothien-2-yl, R=H; A=phenyl, B=5-bromothien-2-yl, R=H; A=phenyl, B=5-methylthien-2-yl, R=H; A=phenyl, B=6-phenylpyrazin-2-yl, R=CH₃; A=phenyl, B=3, 4-dihydro-3-methyl-2-oxo-2H-1, 3-benzo- oxazin-4-yl, R=CH₃; A=phenyl, B=benzothiazol-2-yl, R=CH₃; A=2-hydroxy-4-methoxyphenyl, B=2-phenylthiazol-4-yl, R=CH₃; A=phenyl, B=5-methylfuran-2-yl, R=CH₃; A=phenyl, B=3-(4-methylphenyl)-1, 2, 4-oxadiazol-5-yl, R=CH₃; A=phenyl, B=tetrahydrofuran-2-yl, R=CH₃; A=phenyl, B=2, 3-dihydro-3-hydroxy-2-oxo-1H-indol-3-yl, R=CH₃; A=phenyl, B=4-chloro-1-methyl-2, 5-dioxo-2, 5-dihydro- pyrrol-3-yl, R=CH₃; A=phenyl, B=2-trifluoroacetyl-1, 2,3, 4-tetrahydroiso- quinolin-1-yl, R=C₂H₅; A=phenyl, B=2-acetyl-1, 2,3, 4-tetrahydroisoquinolin-1-yl, R=CH₃; A=4-nitrophenyl, B=2- (4-nitrophenyl)-3, 5,6-triphenyl- pyridin-4-yl, R=CH₃; A=phenyl, B=4, 6-bis (dimethylamino)-1, 3,5- triazin-2-yl, R=CH₃; A=phenyl, B=4-methoxy-5-tert-butoxycarbonyl-1H-pyrro- 2-yl, R=CH₃; A=phenyl, B=1, 3-dihydro-3-oxo-isobenzofuran-1-yl, R=CH₃; A=phenyl, B= (5-methoxycarbonylmethyl) thien-2-yl, R=H; A=phenyl, B=4-methylthien-2-yl, R=H; A=phenyl, B=1, 4-dihydro-1-methyl-3-nitroquinolin-4-yl, R=H; A=phenyl, B=thien-2-yl, R=H; A=phenyl, B=6-methylbenzothiazol-2-yl, R=CH₃; A=2-methoxycarbonylphenyl, B=phenyl, R=CH₃; A=2-benzyloxy-4-methoxyphenyl, B=2, 3, 4- trimethoxyphenyl, R=H; A=4, 5-dimethoxy-2-nitrophenyl, B=3, 4-dimethoxyphenyl, R=H; A=2-nitrophenyl, B=phenyl, R=H; A=2,4, 5-trimethoxyphenyl, B=4-methoxyphenyl, R=H; A=4-bromophenyl, B=phenyl, R=H; A=4-bromophenyl, B=2,4-dinitrophenyl, R=CH₃; A=4-chlorophenyl, B=phenyl, R=H; A=2, 4-dibenzyloxy-5-methoxyphenyl, B=1, 3-benzodioxol- 5-yl, R=H; A=2, 4-dibenzyloxyphenyl, B=1, 3-benzodioxol-5-yl, R=H; A=4-methoxyphenyl, B=2-carboxyphenyl, R=H; A=4-methylphenyl, B=2, 4-dinitrophenyl, R=CH₃; A=4-hydroxy-3-methoxyphenyl, B=4-hydroxy-3- methoxyphenyl, R=H; A=2-nitrophenyl, B=4-methylphenyl, R=H; A=4-chlorophenyl, B=4-chlorophenyl,

R=H; A=2,4-diacetoxyphenyl, B=phenyl, R=CH₃; A=3-methoxyphenyl, B=phenyl, R=C₂R₅; A=4-nitrophenyl, B=phenyl, R=H; A=2-nitrophenyl, B=4-n-butoxyphenyl, R=H; A=2-nitro-4-chlorophenyl, B=4-methylphenyl, R=H; A=phenyl, B=8-carboxynaphthalenyl, R=CH₃; A=2, 5-dimethoxyphenyl, B=2-hydroxyphenyl, R=C₂R₅; A=4-fluorophenyl, B=2-nitro-4-trifluoromethylphenyl, R=CH₃; A=3-chloro-4-methylphenyl, B=2, 4-dinitrophenyl, R=CH₃; A=2-nitro-4-chlorophenyl, B=phenyl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=4-methylphenyl, R=H; A=2-carboxy-6-nitrophenyl, B=phenyl, R=CH₃; A=2,4, 5-trimethoxyphenyl, B=3-methoxyphenyl, R=H; A=phenyl, B=4-bromophenyl, R=H; A=6-benzyloxy-2,3, 4-trimethoxyphenyl, B=1, 3- benzodioxol-5-yl, R=H; A=4,5-dimethoxy-2-nitrophenyl, B=4-methoxyphenyl, R=H; A=4, 5-dimethoxy-2-nitrophenyl, B=4-chlorophenyl, R=H; A=2,4-dibenzyloxyphenyl, B=4-methoxyphenyl, R=H; A=4-methylphenyl, B=4-methylphenyl, R=H; A=4-dimethylaminophenyl, B=phenyl, R=H; A=4-methoxyphenyl, B=phenyl, R=H; A=4, 5-dichloro-2-nitrophenyl, B=4-chlorophenyl, R=H; A=2-nitrophenyl, B=4-methoxyphenyl, R=H; A=phenyl, B=2, 5-dimethoxycarbonylaminophenyl, R=CH₃; A=4-hydroxy-4-methoxyphenyl, B=2-methoxyphenyl, R=H; A=phenyl, B=4-methylphenyl, R=H; A=2-nitrophenyl, B=4-ethoxyphenyl, R=H; A=2-nitro-4-chlorophenyl, B=4-methoxyphenyl, R=H; A=4-chlorophenyl, B=phenyl, R=C₂H₅; A=2-t-butoxycarbonyl-5-ethyl-4-methoxyphenyl, B=2,3- dihydro-7-methyl-1, 4-benzodioxin-6-yl, R=t-butyl; A=phenyl, B=2-nitro-4-trifluoromethylphenyl, R=CH₃; A=3,4-dichlorophenyl, B=2,4-dinitrophenyl, R=CH₃; A=4, 5-dichloro-2-nitrophenyl, B=4-methoxyphenyl, R=H; A=4-methoxy-2-nitrophenyl, B=4-methylphenyl, R=H; A=phenyl, B=anthracene-9-yl, R=CH₃; A=phenyl, B=4-methoxyphenyl, R=H; A=2,4, 5-trimethoxyphenyl, B=phenyl, R=H; A=2, 4-diacetoxyphenyl, B=2, 4,5-trimethoxyphenyl, R=CH₃; A=2-hydroxyphenyl, B=phenyl, R=H; A=4-methoxy-2-nitrophenyl, B=phenyl, R=H; A=4, 5-dimethoxy-2-nitrophenyl, B=phenyl, R=H; A=2, 4-dinitrophenyl, B=phenyl, R=CH₃; A=phenyl, B=phenyl, R=CH₃; A=phenyl, B=4-dimethylaminophenyl, R=H; A=phenyl, B=2, 4-dinitrophenyl, R=CH₃; A=4, 5-dichloro-2-nitrophenyl, B=4-methylphenyl, R=H; A=4-bromophenyl, B=phenyl, R=CH₃; A=2- (4-methylphenylsulfonyloxy)-6-methoxyphenyl, B=phenyl, R=H; A=4-methylsulfonylphenyl, B=2-methoxyphenyl, R=CH₃; A=4-methoxyphenyl, B=4-methoxyphenyl, R=CH₃; A=phenyl, B=4-

chlorophenyl, R=H ; A=2-nitrophenyl, B=4-nitrophenyl, R=H ; A=phenyl, B=phenyl, R=H ; A=2,4-dimethoxyphenyl, B=4-methoxyphenyl, R=H ; A=2-nitrophenyl, B=4-n-hexyloxyphenyl, R=H ; A=4-methoxy-2-nitrophenyl, B=4-methoxyphenyl, R=H ; A=phenyl, B=9-carboxyphenanthren-10-yl, R=CH₃; A=phenyl, B=phenyl, R=CH₃; A=3,4-dimethoxyphenyl, B=3,4-dimethoxyphenyl, R=H; A=2,4-dimethoxyphenyl, B=phenyl, R=H; A=phenyl, B=2-hydroxy-3,4,6-trimethyl-5-methoxyphenyl, R=CH₃ ; A=4-chloro-2-nitrophenyl, B=4-chlorophenyl, R=H ; A=2-nitrophenyl, B=4-chlorophenyl, R=H; A=2,4,5-trimethoxyphenyl, B=3,4-dimethoxyphenyl, R=H ; A=4-chlorophenyl, B=2,4-dinitrophenyl, R=CH₃ ; A=4,5-dichloro-2-nitrophenyl, B=phenyl, R=H ; A=4-methoxyphenyl, B=phenyl, R=CH₃ ; A=2,4-dibenzoyloxyphenyl, B=3,4-dimethoxyphenyl, R=H ; A=4-methylthiophenyl, B=4-methoxyphenyl, R=CH₃; A=phenyl, B=phenyl, R=C₂H₅ ; A=4-methoxyphenyl, B=2,4-dinitrophenyl, R=CH₃ ; A=2-nitrophenyl, B=3-chlorophenyl, R=H; A=2-nitrophenyl, B=3,4-dimethoxyphenyl, R=H ; A=4-methoxyphenyl, B=4-methoxyphenyl, R=H; A=2-hydroxyphenyl, B=4-methoxyphenyl, R=H; A=phenyl, B=2,5-bis(phenacylamino) phenyl, R=CH₃; A=4-nitrophenyl, B=4-methylphenyl, R=H; A=2-nitrophenyl, B=4-n-pentyloxyphenyl, R=H ; A=4-methoxy-2-nitrophenyl, B=4-chlorophenyl, R=H; A=phenyl, B=2-carboxynaphthalen-1-yl, R=CH₃.

2. (original):The derivatives according to claim 1, characterized in that the compound having formula (I) are present as tautomeric and/or isomeric forms, pure or as blends of tautomeric and/or isomeric forms, in any proportion whatsoever.

3. (original):Use of derivatives of 1,3-diones having general formula (I): wherein: - A represents: an aryl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy possibly substituted with a C₁-C₄ alkoxy or C₁-C₄ haloalkoxy group, C₂-C₆ alkylthioalkoxy, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂

dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxyl, C₃-C₁₂ dialkoxyalkoxyl, C₂-C₆ haloalkoxyhaloalkoxyl, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxyl, C₃-C₈ haloalkenyloxyalkoxyl, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxyl, C₃-C₈ haloalkynyloxyalkoxyl, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₆-C₁₂ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxyl, C₆-C₁₂ dialkylideneiminoalkoxyl, -S(O)_mR₁, -OS(O)_iR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Q, -ZQ₁, -(CR₂₀R₂₁)_pQ₂, -Z(CR₂₂R₂₃)_pQ₃, -(CR₂₄R₂₅)_pZQ₄, -(CR₂₆R₂₇)_pZ(CR₂₈R₂₉)_qQ₅, -(CR₃₀R₃₁)_pZ(CR₃₂R₃₃)_qZ₁Q₆, -Z₂(CR₃₄R₃₅)_p(C=Y)T, -Z₃(CR₃₆R₃₇)_v(CR₃₈R₃₉=CR₄₀R₄₁)(C=Y)T; or represents a heterocyclic group selected from pyridyl, pyrimidyl, quinoliny, pyrazolyl, thiazolyl, oxazolyl, thienyl, furyl, benzothienyl, dihydrobenzothienyl, benzofuranyl, dihydrobenzofuranyl, benzoxazolyl, benzoxazolonyl, benzothiazolyl, benzothiazolonyl, benzoimidazolyl, benzoimidazolonyl, benzotriazolyl, chromanonyl, chromanyl, thiochromanonyl, thiochromanyl, 3a, 4-dihydro-3H-indeno [1, 2-c] isoxazolyl, 3a, 4-dihydro-3H-chromeno [4, 3-c] isoxazolyl, 5, 5-dioxide-3a, 4-dihydro-3H-thiochromeno [4,3-c] isoxazolyl, 2,3, 3a, 4-tetrahydrochromeno [4,3-c] pyrazolyl, 6,6-dioxide-2, 3-dihydro-5H- [1, 4] dithiino [2,3-c] thiochromenyl, 5,5-dioxide-2,3, 3a, 4-tetrahydrothiochromeno [4,3-c] pyrazolyl, 1', 1'-dioxide-2', 3'-dihydrospiro [1, 3-dioxolane-2, 4'-thiochromen]-yl, 1,1, 4,4-tetraoxide-2, 3-dihydro-1, 4-benzodithiin-6-yl 4, 4-dioxide-2, 3-dihydro-1, 4-benzoxathiin-7-yl, 1, 1-dioxide-3-oxo-2, 3-dihydro-1, 2-benzoisothiazol-5-yl, 4-(alkoxyimino)- 1, 1-dioxide-3, 4-dihydro-2H-thiochromen-6-yl, 1, 1-dioxide-4-oxo-3, 4-dihydro-2H-thiochromen-6-yl, 2,3-dihydro-1, 4-benzoxathiin-7-yl, with all these groups possibly substituted by one or more substituents selected from halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfanylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfanylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆

alkoxyalkoxyl or C₂-C₆ haloalkoxyalkoxyl, possibly substituted with a C₁-C₄ alkoxyl or C₁-C₄ haloalkoxyl group, C₂-C₆ alkylthioalkoxyl, C₂-C₆ haloalkylthioalkoxyl, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxyl, C₃-C₁₂ dialkoxyalkoxyl, C₂-C₆ haloalkoxyhaloalkoxyl, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxyl, C₃-C₈ haloalkenyloxyalkoxyl, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxyl, C₃-C₈ haloalkynyloxyalkoxyl, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₅-C₁₀ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxyalkyl, C₆-C₁₂ dialkylideneiminoalkoxyalkyl, -S(O)_mR₁, -OS(O)_tR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Q, -ZQ₁, -(CR₂₀R₂₁)_pQ₂, -Z(CR₂₂R₂₃)_pQ₃, -(CR₂₄R₂₅)_pZQ₄, -(CR₂₆R₂₇)_pZ(CR₂₈R₂₉)_qQ₅, -(CR₃₀R₃₁)_pZ(CR₃₂R₃₃)_qZ₁Q₆, -Z₂(CR₃₄R₃₅)_p(C=Y)T, -Z₃(CR₃₆R₃₇)_v(CR₃₈R₃₉=CR₄₀R₄₁)(C=Y)T; -B represents a D-(R_x)_n group; -R represents a hydrogen atom, a linear or branched C₁-C₆ alkyl group, a linear or branched C₁-C₆ haloalkyl group, a C₃-C₆ cycloalkyl group or a C₄-C₁₂ cycloalkylalkyl group possibly substituted with halogen atoms or C₁-C₆ alkyl or C₁-C₆ thioalkyl or C₁-C₆ alkoxy or C₂-C₆ alkoxy carbonyl groups, alkenyl C₂-C₆ groups, alkynyl C₂-C₆ groups, the latter two groups, in turn, possibly substituted with halogen atoms, a C₅-C₆ cycloalkenyl group possibly substituted with halogen atoms or C₁-C₆ alkyl groups, an aryl or arylalkyl group optionally substituted; R₁ and R₁₉, represent a C₁-C₆ alkyl or C₁-C₆ haloalkyl group, a C₃-C₆ cycloalkyl group, an aryl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxy carbonyl; -m is equal to 0, 1 or 2; -t is equal to 1 or 2; -R₂, R₃, R₆, R₇, R₈, R₉, R₁₀, R₁₁, R₁₇ and R₁₈ the same or different, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn possibly substituted with halogen atoms, a C₁-C₆ alkoxy group, a C₃-C₆ cycloalkyl group, an arylalkyl group or an aryl group, said arylalkyl or aryl groups also optionally substituted with one or more

substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxy carbonyl or, together, represent a C₂-C₅ alkylene chain; -R₄, R₅ and R₄₂, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn possibly substituted with halogen atoms, a C₃-C₆ alkenyl group in turn possibly substituted with halogen atoms, a Q₇ group, an arylalkyl group possibly substituted with one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxy carbonyl; -R₁₂, R₁₄ and R₁₆, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn possibly substituted with halogen atoms, a C₃-C₆ cycloalkyl group, a C₁-C₆ alkoxy group, a C₁-C₆ haloalkoxy group; -R₁₃ and R₁₅, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn possibly substituted with halogen atoms, a C₃-C₆ alkenyl group, in turn possibly substituted with halogen atoms, a Q₇ group, NH₂, NHCN, NHNH₂, NHOH, an arylalkyl group possibly substituted with one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxy carbonyl -R₂₀, R₂₁, R₂₂, R₂₃, R₂₄, R₂₅, R₂₆, R₂₇, R₂₈, R₂₉, R₃₀, R₃₁, R₃₂, R₃₃, R₃₄, R₃₅, R₃₆, R₃₇, R₃₈, R₃₉, R₄₀ and R₄₁, the same or different, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₁-C₆ alkoxy group, or the two groups attached to the same carbon atom can be joined to each other by C₂-C₅ alkylene groups. the alkylene groups can in turn be substituted with C₁-C₃ alkyl groups; -Q, Q₁, Q₂, Q₃, Q₄, Q₅, Q₆, and Q₇ represent an aryl group, a C₃-C₆ cycloalkyl group, C₅-C₆ cycloalkenyl, a heterocyclic group selected from triazolyl, triazolonyl, pyrazolyl, imidazolyl, imidazolydinonyl, tetrazolyl, tetrazolonyl, isoxazolyl, furyl, thienyl, pyrrolyl, pyrrolidinyl, pyrrolidinonyl, pyridyl, pyrimidinyl, pyrimidinonyl, pyrazinyl, pyridazinyl, oxazolyl, thiazolyl, oxadiazolyl, thiadiazolyl, isothiazolyl, benzoxazolyl, benzothiazolyl, isoxazoliny, 1, 3-dioxanyl, 1,4-dioxanyl, 1,3- dioxolanyl, tetrahydropyranyl, oxethanyl, oxyranyl, thiazolidinyl, oxazolidinyl, piperidinyl, piperidinonyl, piperazinyl, morpholinyl, thiazinyl, tetrahydrofuranyl, dioxazolyl, tetrahydrofuroisoxazolyl, 2-oxa-3-

azabicyclo [3. 1. 0] hex-3-enyl, said groups optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₁-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy optionally substituted with a group selected from C₁-C₄ alkoxy or C₁-C₄ haloalkoxy, C₂-C₆ alkylthioalkoxy, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxy, C₃-C₁₂ dialkoxyalkoxy, C₂-C₆ haloalkoxyhaloalkoxy, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxy, C₃-C₈ haloalkenyloxyalkoxy, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxy, C₃-C₈ haloalkynyloxyalkoxy, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₅-C₁₀ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxy, C₆-C₁₂ dialkylideneiminoalkoxy-alkyl, aryl optionally substituted, -S(O)_mR₁, -OS(O)_tR₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Z₂(CR₃₄R₃₅)_p (C=Y) T, -Z₃ (CR₃₆R₃₇)_v (CR₃₈R₃₉=CR₄₀R₄₁) (C=Y) T ; - Z, Z₁, Z₂ = O, S(O)_r; - Y = O, S ; - r is equal to 0, 1 or 2; - p, q are equal to 1, 2, 3 or 4 ; - v is equal to 0 or 1; - Z₃ = O, S or a direct bond; - T represents a hydrogen atom, a Z₄R₄₂ group, a -NR₄₃R₄₄ group, an aryl group or a heterocyclic group selected from triazolyl, triazolonyl, pyrazolyl, imidazolyl, imidazolidinonyl, tetrazolyl, tetrazolonyl, pyrrolyl, pyrrolidinyl, pyrrolidinonyl, pyridyl, pyrimidinyl, piperidinyl, piperidinonyl, piperazinyl, morpholinyl, said groups optionally substituted by one or more substituents selected from halogen, NO₂, OH, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, C₃-C₆ cycloalkyl, C₅-C₆ cycloalkenyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, -S

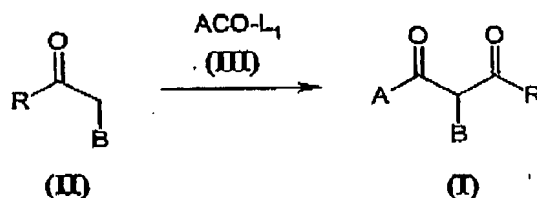
(O)_mR₁ - Z₄ = Or S or a direct bond ; - R₄₃ and R₄₄, the same or different, represent a hydrogen atom, a linear or branched C₁-C₆ alkyl group in turn optionally substituted with halogen atoms, a C₃-C₆ alkenyl group in turn optionally substituted with halogen atoms, a Q₇ group, an arylalkyl group optionally substituted by one or more substituents selected from halogen, NO₂, CN, CHO, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ alkylsulfonyl, C₂-C₆ alkoxy carbonyl, or they jointly represent a C₂-C₅ alkylene chain ; - D represents: a heterocyclic group of the heteroaryl or heterocyclic type, in all the above cases the heterocycle can be mono or polycyclic and can be connected to the rest of the structure either through one of its carbon atoms or, when possible, through one of its nitrogen atoms ; or it represents a mono or polycyclic aryl group, in this latter case, the group can also be partially saturated; - R_x represents a substituent selected from hydrogen, halogen, NO₂, CN, CHO, OH, linear or branched C₁-C₆ alkyl, linear or branched C₁-C₆ haloalkyl, linear or branched C₁-C₆ alkoxy, linear or branched C₁-C₆ haloalkoxy, C₁-C₆ cyanoalkyl, C₂-C₆ alkoxyalkyl, C₂-C₆ alkylthioalkyl, C₂-C₆ alkylsulfinylalkyl, C₂-C₆ alkylsulfonylalkyl, C₂-C₆ haloalkoxyalkyl, C₂-C₆ haloalkylthioalkyl, C₂-C₆ haloalkylsulfinylalkyl, C₂-C₆ haloalkylsulfonylalkyl, C₂-C₆ alkoxyalkoxy or C₂-C₆ haloalkoxyalkoxy optionally substituted with a group selected from C₁-C₄ alkoxy or COCH haloalkoxy, C₂-C₆ alkylthioalkoxy, C₂-C₆ haloalkylthioalkoxy, C₃-C₁₂ dialkoxyalkyl, C₃-C₁₂ dialkylthioalkyl, C₃-C₁₂ dialkylthioalkoxy, C₃-C₁₂ dialkoxyalkoxy, C₂-C₆ haloalkoxyhaloalkoxy, C₃-C₁₀ alkoxyalkoxyalkyl, C₂-C₆ alkenyl, C₂-C₆ haloalkenyl, C₂-C₆ alkenyloxy, C₂-C₆ haloalkenyloxy, C₃-C₈ alkenyloxyalkoxy, C₃-C₈ haloalkenyloxyalkoxy, C₂-C₆ alkynyl, C₂-C₆ haloalkynyl, C₂-C₆ alkynyloxy, C₂-C₆ haloalkynyloxy, C₃-C₈ alkynyloxyalkoxy, C₃-C₈ haloalkynyloxyalkoxy, C₃-C₁₂ acylaminoalkoxy, C₂-C₈ alkoxyiminoalkyl, C₂-C₈ haloalkoxyiminoalkyl, C₃-C₈ alkenyloxyiminoalkyl, C₃-C₈ haloalkenyloxyiminoalkyl, C₃-C₈ alkynyloxyiminoalkyl, C₃-C₈ haloalkynyloxyiminoalkyl, C₅-C₁₀ alkoxyalkynyloxy, C₆-C₁₂ cycloalkylideneiminoalkoxy, C₆-C₁₂ dialkylideneiminoalkoxy, -S(O)_mR₁, -OS(O)₁R₁, -SO₂NR₂R₃, -CO₂R₄, -COR₅, -CONR₆R₇, -CSNR₈R₉, -NR₁₀R₁₁, -NR₁₂COR₁₃, -NR₁₄CO₂R₁₅, -NR₁₆CONR₁₇R₁₈, -PO(R₁₉)₂, -Q, -ZQ₁, -(CR₂₀R₂₁)_pQ₂, -Z(CR₂₂R₂₃)_pQ₃, -(CR₂₄R₂₅)_pZQ₄, -(CR₂₆R₂₇)_pZ(CR₂₈R₂₉)_qQ₅, -(CR₃₀R₃₁)_pZ(CR₃₂R₃₃)_qZ₁Q₆, -

$Z_2(CR_{34}R_{35})_p(C=Y)T$, $-Z_3(CR_{36}R_{37})v(CR_{38}R_{39}=CR_{40}R_{41})(C=Y)T$; if several R_x groups are present, these can be the same or different ; - $n = 1-9$; and of the relevant salts which have agronomical compatibility, as herbicides.

4. (original): Use according to claim 3, for the control under pre-emergence and post-emergence of monocotyledon and dicotyledon weeds.

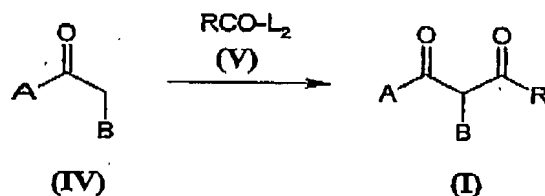
5. (original): Use of derivatives of 1,3-diones having general formula (I): wherein : - A, B and R have the meanings defined according to claim 3, and of the relevant salts pharmaceutically acceptable as medicaments.

6. (original) A process for the preparation of the compounds having general formula (I) according to any of the claims 1 to 3, characterized in that it includes a reaction of a carbonyl compound having general formula (II) with a compound having general formula (III), according to the reaction scheme 1 Scheme 1:



wherein - A, B and R have the meanings previously defined; -L₁ represents a suitable leaving group such as, for example, a halogen atom, a CN group, an imidazol-1-yl group, an R_LO-group wherein R_L represents a C₁-C₄ alkyl group or a phenyl group optionally substituted, or it represents an R_{L,1}COO-group wherein R_{L,1} represents a hydrogen atom, a C₁-C₄ alkyl or haloalkyl group, a phenyl group optionally substituted or an A group.

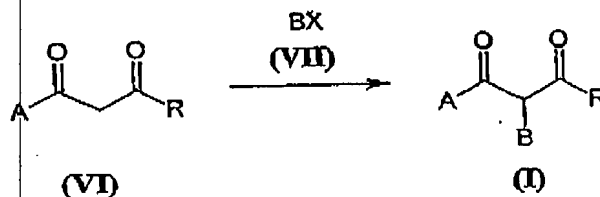
7. (original): The process for the preparation of the compounds having general formula (I) according to any of the claims 1 to 3, characterized in that it includes a reaction of a carbonyl compound having general formula (IV) with a compound having general formula (V), according to the reaction scheme 2 Scheme 2:



wherein - A, B and R have the meanings previously defined; L_2 represents a suitable leaving group such as, for example, a halogen atom, a CN group, an imidazol-1-yl group, an R_1O -group wherein R_1 represents a C_1 - C_4 alkyl group or a phenyl group optionally substituted, or it represents an R_1COO -group wherein R_1 represents a hydrogen atom, a C_1 - C_4 alkyl or haloalkyl group, a phenyl group optionally substituted or an R group.

8. (original): The process for the preparation of the compounds having general formula (I) according to any of the claims 1 to 3, characterized in that it includes a reaction of a 1,3-dicarbonyl compound having general formula (VI) with a compound having general formula (VII), according to the reaction scheme 3

Scheme 3:

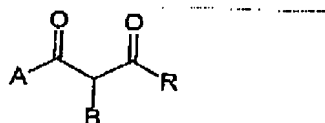


wherein A, B and R have the meanings previously defined; - X represents a halogen atom, an $R_{L2}SO_2O$ -group, wherein R_{L2} represents a C_1 - C_4 alkyl or haloalkyl group, a phenyl group optionally substituted by C_1 - C_4 alkyl groups, or it represents an $R_{L3}SO_2$ -group, wherein R_{L3} represents a C_1 - C_4 alkyl or haloalkyl group.

9. (original): The process according to any of the claims from 6 to 8, characterized in that the reaction is carried out in the presence of one or more inert organic solvents and in the presence of an organic or inorganic base, at a temperature ranging from $-80^{\circ}C$ to the boiling temperature of the reaction mix.

10. (original): The process according to claim 9, characterized in that the reaction is carried out in two separate phases.

11. (original): A method for the control of weeds in agricultural crops, by the application of compounds having general formula (I):

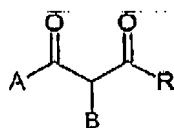


(I)

wherein: - A, B and R have the meanings according to claim 3.

12. (original): The method according to claim 11, characterized in that the quantity of compound having formula (I) to be applied ranges from 1 g to 4,000 g per hectare.

13. (original): Herbicidal compositions containing, as active principle, one or more compounds having general formula (I):



(I)

wherein : - A, B and R have the meanings according to claim 3, possibly also as a blend of tautomers and/or isomers.

14. (original): The herbicidal compositions according to claim 13, including other active principles compatible with the compounds having general formula (I), such as other herbicides, fungicides, insecticides, acaricides, fertilizers, etc..

15. (original): The herbicidal compositions according to claim 14, characterized in that the additional herbicides are selected from: acetochlor, acifluorfen, aclonifen, AKH-7088, alachlor, alloxidim, ametryn, amicarbazone, amidosulfuron, amitrole, anilofos, asulam, atrazine, azafenidin, azimsulfuron, aziprotryne, BAS 670 H, BAY MKH 6561, beflubutamid, benazolin, benfluralin, benfuresate, bensulfuron, bensulide, bentazone, benzfendizone, benzobicyclon, benzofenap, benzthiazuron, bifenox, bilanafos, bispyribac-sodium, bromacil, bromobutide, bromofenoxim, bromoxynil, butachlor, butafenacil, butamifos, butenachlor, butralin, butroxydim, butylate, cafenstrole, carbetamide, carfentrazone-ethyl, chlomethoxyfen, chloramben, chlorbromuron, chlorbufam, chlorflurenol, chloridazon, chlorimuron, chlornitrofen, chlorotoluron, chloroxuron, chlorpropham, chloresulfuron, chlorthal, chlorthiamid, cinidon ethyl, cinmethylin, cinosulfuron, clethodim, clodinafop, clomazone, clomeprop, clopyralid, cloransulam-methyl, cumyluron (JC-940), cyanazine, cycloate, cyclosulfamuron, cycloxydim, cyhalofop- butyl, 2,4-D, 2,4-DB, daimuron, dalapon, desmedipham, desmetryn, dicamba, dichlobenil, dichlorprop, dichlorprop-P, diclofop, diclosulam, diethatyl, difenoxuron, difenzoquat, diflufenican, diflufenzopyr, dimefuron, dimepiperate, dimethachlor, dimethametryn, dimethenamid, dinitramine, dinoseb, dinoseb acetate, dinoterb, diphenamid, dipropetryn, diquat, dithiopyr, 1-diuron, eglinazone, endothal, EPTC, espropcarb, ethalfluralin, ethametsulfuron- methyl, ethidimuron, ethiozin (SMY 1500), ethofumesate, ethoxyfen-ethyl (HC-252), ethoxysulfuron, etobenzanid (HW 52), fenoxaprop, fenoxaprop-P, fentrazamide, fenuron, flamprop, flamprop-M, flazasulfuron, florasulam, fluazifop, fluazifop-P, fluazolate (JV 485), flucarbazone- sodium, fluchloralin, flufenacet, flufenpyr ethyl, flumetsulam, flumiclorac-pentyl, flumioxazin, flumipropin, fluometuron, fluoroglycofen, fluoronitrofen, flupoxam, fluproanate, flupyrsulfuron, flurenol, fluridone,

flurochloridone, fluroxypyr, flurtamone, fluthiacet-methyl, fomesafen, foramsulfuron, fosamine, furyloxyfen, glufosinate, glyphosate, halosulfuron-methyl, haloxyfop, haloxyfop-P-methyl, hexazinone, imazamethabenz, imazamox, imazapic, imazapyr, imazaquin, imazethapyr, imazosulfuron, indanofan, iodosulfuron, ioxynil, isopropalin, isoproturon, isouron, isoxaben, isoxachlortole, isoxaflutole, isoxapyrifop, KPP-421, lactofen, lenacil, linuron, LS830556, MCPA, MCPA- thioethyl, MCPB, mecoprop, mecoprop-P, mefenacet, mesosulfuron, mesotrione, metamitron, metazachlor, methabenzthiazuron, methazole, methoprotryne, methylglyphosate, metobenzuron, metobromuron, metolachlor, S-metolachlor, metosulam, metoxuron, metribuzin, metsulfuron, molinate, monalide, monolinuron, naproanilide, napropamide, naptalam, NC- 330, neburon, nicosulfuron, nipyraclufen, norflurazon, orbencarb, oryzalin, oxadiargyl, oxadiazon, oxasulfuron, oxaziclonefone, oxyfluorfen, paraquat, pebulate, pendimethalin, penoxsulam, pentanochlor, pentoxazone, pethoxamid,, phenmedipham, picloram, picolinafen, piperophos, pretilachlor, primisulfuron, prodiamine, proflumizox, proglinazine, prometon, prometryne, propachlor, propanil, propaquizafop, propazine, propham, propisochlor, propyzamide, prosulfocarb, prosulfuron, pyraclonil, pyraflufen-ethyl, pyrazogyl (HAS-961), pyrazolynate, pyrazosulfuron, pyrazoxyfen, pyribenzoxim, pyributicarb, pyridafol, pyridate, pyriftalid, pyriminobac-methyl, pyriothiazac-sodium, quinclorac, quinmerac, quizalofop, quizalofop-P, rimsulfuron, sethoxydim, siduron, simazine, simetryn, sulcotrione, sulfentrazone, sulfometuron-methyl, sulfosulfuron, 2,3, 6-TBA, TCA-sodium, tebutam, tebuthiuron, tepraloxydim, terbacil, terbutolone, terbutyl-azine, terbutryn, thenylchlor, thiazafluron, thiazopyr, thidiazimin, thifensulfuron-methyl, thiobencarb, tiocarbazil, tioclorim, tralkoxydim, tri-allate, triasulfuron, triaziflam, tribenuron, triclopyr, trietazine, trifloxysulfuron, trifluralin, triflusulfuron-methyl, tritosulfuron, UBI-C4874, vernolate.

16. (original): The compositions according to any of the claims 13-15, characterized in that the concentration of active substance ranges from 1 to 90%.